(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date April 7, 2005 (4/7/2005)

PCT

(10) International Publication Number WO 2005/032214 A2

(51) International Patent Classification7:

H05B 3/00

- (21) International Application Number: PCT/EP2004/010402
- (22) International Filing Date: September 16, 2004 (9/16/2004)
- (25) Filing Language:

German

(26) Publication Language:

German

(30) Priority Data:

03/10882 September 16, 2003 (9/16/2003)

FR

- (71) Applicant (for all designated States except US):
 RATIONAL AG [DE/DE]; Iglinger Strasse 62, 86899
 Landsberg/Lech (Germany). FRIMA SA [FR/FR]; 4, rue de la Charente, 68271 Wittenheim/Cedex (France).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): WIDERMANN,
 Peter [DE/DE]; Südstrasse 8, 86838 Klosterlechfeld
 (Germany). SCHREINER, Thomas [DE/DE];
 Iglingerstrasse 5A, 86857 Hurlach (Germany).
 RENAUD, Frédéric [FR/FR]; 12, bld Wallach, F-68100
 Mulhouse (France). GLUCK, Pascal [FR/FR];
 Résidence "Les Vosges", 10, rue Neppert, F-68100
 Mulhouse (France). KASTRA, Simon [NL/NL];
 Brenstraat 1, NL-7011 AT Gaanderen (NL).

- (74) Attorney: WEBER-BRULS, Dorothée etc., Boehmert & Boehmert, Hollerallee 32, 28209 Bremen (Germany).
- (81) Designated States (unless otherwise stated, for each available national protection type): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise stated, for each available regional protection type): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report, to be published again when the report is received

For two-letter codes and other abbreviations refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: HEATING ELEMENT FOR COOKING APPLIANCES

(57) Abstract: The invention relates to a heating element for a cooking appliance, particularly for the direct or indirect electrical heating of at least one item to be cooked, comprising at least one supporting layer, at least one heating element layer, which contacts the supporting layer at least in sections in a direct or indirect manner, and comprising at least one electric contact element or conductor element, with at least one elastic arresting element, which is or can be connected to the electric contact element or conductor element. The electric contact element or conductor element can be brought into contact, at least occasionally, with at least one heating resistor and/or with at least one contact point of the heating element layer via the elastic force of the elastic arresting element.